



HF Happenings

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the week of 15 August 2016

You can now download your copy of HF Happenings from www.sarl.org.za/hf_happenings.asp.

Oh Fruit Cake!

Wow, suddenly I am public enemy number 1. Why you ask? Because I went and changed an e-mail address for contest logs, but did not get permission from members.

In late 2015 when the 2016 Contest Manual was drawn up, contest@netactive.co.za was the e-mail to use. Earlier in this year, I decided to close some of my e-mail accounts and decided that zs4bfm@mweb.co.za would be the e-mail for the Club and for contests hosted by the Club. When I started advertising the SARL HF Contests and the SARL YL Sprint in HF Happenings and SARL News, I made mention that zs4bfm@mweb.co.za is the only e-mail to use. I must accept that members do not read HF Happenings or listen to SARL News!!

Please take note that for the SARL National Field Day in September, the ONLY e-mail address to use is zs4bfm@mweb.co.za

International Lighthouse and Lightship Weekend

Who is going to work all fourteen South African Lighthouses during the weekend of 20 and 21 August during the International Amateur Radio Lighthouse Weekend event? You will find all the information at www.illw.net.

South Head, Saldanha Bay, ZA0031, activated by ZS1DJR, QSL via the bureau

North Head, Saldanha Bay, ZA0029, activated by ZS1FC, QSL via the bureau

Robben Island, ZA0008 (and IOTA AF-064) activated by ZS9V, QSL via the bureau or LoTW
<http://zs9v.org.za>

Milnerton Lighthouse, ZA0019, activated by ZS1OAK, QSL via the bureau

Green Point, Cape Town, ZA0006, activated by ZS1CT, QSL via LoTW or Bureau

Slangkop Point, ZA0015, activated by ZS1FRC, QSL via Box 37724, Vallyland, 7978

Cape Hangklip, ZA0010, activated by ZS1C, QSL via the bureau

Danger Point, ZA0005, activated by ZS1OAR, QSL direct to ZS1EZ

Cape Agulhas, ZA0011, activated by ZS1BAK, QSL via the bureau www.bark.org.za/

Seal Point, ZA0021, activated by ZS2PE, QSL direct or e-QSL <http://www.zs2pe.co.za/>

Cape Recife, ZA0022, activated by ZS2EC, QSL direct, e-QSL or LoTW

Donkin Reserve/The Hill, ZA0023, activated by ZS2ZU, QSL via the bureau or direct

North Sands Bluff, ZA0016, activated by ZS5HAC, QSL via the SARL bureau

Cooper Lighthouse, ZA0004, activated by ZS5D, QSL via e-mail to ZS5D at
<http://www.durbanarc.org.za/>

South African Radio League HF Digital Contest

The aim of the HF Digital Contest is for participants to contact as many amateurs in Southern Africa as possible using RTTY and PSK31 on the 20, 40 and 80 m amateur bands. The Digital Contest takes place from 13:00 to 16:30 UTC on Sunday 21 August 2016 with activity on 3 580 to 3 600 kHz, 7 040 to 7 060 kHz and 14 070 to 14 099 kHz.



South African Radio League * Suid-Afrikaanse Radioliga
Member Society of the International Amateur Radio Union since 1925



You can participate as a Single Operator Single Band station, a Single Operator All Band station, a Multi Operator Single Band station or a Multi Operator All Band station. Individual competitors and club stations are encouraged to compete. The exchange is a RS report and a consecutive serial number starting at 001. According to Rule 5.(c) of the General Rules states, "However, a multi-operator station transmitting on several bands simultaneously may at their discretion use separate number sequences for each band."

Digital contacts count 2 points. Count two points for each area (see below) on each band and count 2 points for each station contacted on all three bands.

Area 1: ZS1 Western Cape

Area 2: ZS2 Eastern Cape

Area 3: ZS3 Northern Cape

Area 4: ZS4 Free State

Area 5: ZS5 KwaZulu-Natal

Area 6: ZS6 Gauteng, Mpumalanga; Limpopo and North West

Area 7: 3DA Swaziland, 7P Lesotho, C9 Mozambique, Z2 Zimbabwe, ZS8 Marion Island

Area 8: 9J Zambia, A2 Botswana, V5 Namibia, ZD9 Gough and Tristan da Cunha Islands, ZS7 Antarctica

Area 9: DX

Certificates are awarded to the first three places and the highest single band score in the contest. Silent Keys Memorial Trophy SSB - awarded by the Contest Committee to the amateur who achieves the highest score during the annual South African Radio League HF Phone Contest and the Joseph White Trophy - awarded by the Contest Committee to the amateur who achieves the highest score on any one band, during the annual South African Radio League HF Phone Contest.

Submit your log in ADIF, Cabrillo or MS Excel format and labelled "your call sign HF Digital," by 28 August 2016 by e-mail to zs4bfn@mweb.co.za

3Y0Z Bouvet Island DXpedition 2018

An international team of operators will be active as 3Y0Z from Bouvet Island (AN-002) in early 2018. Operators mentioned are Franz, DJ9ZB, Nodir, EY8MM, Jorge, HK1R, Ralph, K0IR, Bob, K4UEE, Craig, K9CT, Erling, LA6VM, a second LA op (TBN), George, N4GRN, Arnie, N6HC, Jim, N9TK, Jeff, NM1Y, Michael, PA5M, Andy, UA3AB, Neil, VA7DX, Steve, VE7CT, Glenn, W0GJ, Gregg, W6IZT, Hal, W8HC and Jerry, WB9Z. Activity (TBA) will probably be on 160 to 10 metres using CW, SSB and RTTY. The QSL Manager for the 3Y0Z DXpedition will be Bob, N2OO. A Web page is now active at <http://www.bouvetdx.org>

[Press Release #2, dated 11 August 2016]

August

4 to 6 - !Naba Food and Wine Festival Upington

6 - Thabazimbi Apiesdoring Carnival

7 - SARL HF Phone Contest

9 - National Women's Day; SARL YL Sprint

12 to 14 - West Coast Craft Festival, Velddrif

14 - SARL Youth Net

20 and 21 - International Lighthouse and Lightship Weekend

21 - SARL HF Digital Contest

23 - Closing date for September Radio ZS articles

26 and 27 - Hantam Vleisfees, Calvinia

28 - SARL HF CW Contest

September

3 - West Rand Flea Market

10 and 11 - SARL National Field Day

11 - SARL Youth Net

16 - World Ozone Day

17 and 18 - SARL VHF/UHF Contest; All Africa DX Contest

22 - Spring Equinox

24 - National Braai Day and Heritage Day

24 and 25 - CQ WW RTTY Contest

26 - Closing date for October Radio ZS

27 - World Tourism Day

30 - All schools close



We are pleased to announce that our website www.bouvetdx.org is now active. Now, you can see more about our plans to activate the #2 DXCC "most wanted" entity. You will also meet the operating TEAM. You will recognize most, if not all the call signs as these operators have given out millions of DXpedition QSOs over the years.

We plan to be active on Bouvet on all available bands using the common modes with the very best antennas, radios and amplifiers. The duration of our visit to "the most remote island on Earth" may be as long as three weeks, weather permitting of course. As with our many previous DXpeditions, we expect to make tens of thousands of QSOs. That is our #1 goal, consistent with the safety of the operating team.

Now that the website is up, we are officially beginning our fund-raising program. As with our other DXpeditions, the operating team is committed to provide one-half (50%) of the DXpedition costs. We are asking DX foundations, DX clubs, individual DXers and equipment vendors to provide the remainder. We believe this arrangement is fair and equitable. As always, you have the option of using PayPal, a credit card or a personal/club check.

We appreciate you becoming our partner in very expensive under taking.
73, For the TEAM, Ralph, KOIR, Bob, K4UEE, and Erling, LA6VM

African DX

Africa DX Net - every Saturday afternoon from 14:00 UTC on 14,260 MHz hosted by Mike, V51MA, Leon, A25SL, and Tinus, ZS6MHK.



Kenya, 5Z. Franz, DC4CQ, is currently active as 5Z4/DC4CQ near Migori. The length of his stay is unknown. Activity has been on 20 and 15 metres SSB. QSL via his home call sign.

Senegal, 6W. Charles, KG4KCT, is now active as 6W4AA from Dahra Djoloff. The length of his stay is unknown, but he is there working. He states that he will be using "a FT-450D into a DXCC dipole at about 40 feet." QSL via his home call sign direct.

Algeria, 7Y. Operators from the Algerian Amateur Radio Union (ARU) will be active from five lighthouses in the next coming months. They will be using special call signs whose suffixes form the word 'LIGHTHOUSE' as follows: 7Y9LI from Cap Ivi, 7Y9GH from Cap Tenes, 7Y9TH from Ras Afia, 7Y9OU from Cap Fer Marsa and 7Y9SE from Cap Sigli. QSL for all call signs are via SM4VPZ. In addition, an electronic certificates and plaque are available. Details on the rules and trophy can be read at <http://www.grz.com/db/7X5ARU>. The following call signs and schedule of operations are as follows:

7Y9LI - 17 to 22 August, the Cap Ivi Lighthouse (ALG-013) at Mostaganem, JM06cc
7Y9GH - 21 to 26 September, the Cap Tenes Lighthouse (ALG-018) at Chlef, JM06qn
7Y9TH - 27 to 31 October, the Ras Afia Lighthouse (ALG-029) at Jijel, JM26ut
7Y9OU - 15 to 21 November, the Cap Fer Marsa Lighthouse (ALG-011) at Skikda, JM37nc
7Y9SE - 7 to 15 December, the Cap Sigli Lighthouse (ALG-016) at Bejaia, JM26jv

For more details and updates, watch <http://www.aru-dz.org>

African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz



South Africa, ZS - Western Cape Province South West group AF-064. Jan, ZS1VDV, Paul, ZS1V, Bernie, ZS1BM, and Bruce, ZS1FX, activate Robben Island on 19 to 21 August with the call ZS9V. QSL via MOOXO, ClubLog OQRS.

Canary Islands, EA8. Mauro, IV3HAX is currently active from Fuerteventura AF-004 until 27 August as EA8/IV3HAX on HF (CW, RTTY). QSL via LoTW, OQRS.

Algeria, 7X - Mediterranean Sea Coast West group AF-094. Operators from the Amateurs Radio Algeriens Club are going to put Plane Island (WW Loc IM95ns) on the air from 17 to 20 August as 7V9A. For QSL information see www.qrz.com.

Cape Verde, D4. Ralf, DK8FA, activates Boavista Island (AF-086) holiday-style between 15 and 28 September as D44TJ with a focus on 20 and 17 m (digital modes). QSL via DK8FA.

Reunion Island, FR. Heye, DJ9RR, is now active as FR/DJ9RR from Reunion Island (AF-016). The length of his stay is unknown. Activity has been on 10 metres SSB. QSL via his home call sign.

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 15 to 22 August 2016

Phone Fray

02:30 - 03:00 UTC 17 August

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multippliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 19 August 2016

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at:

http://www.perluma.com/Phone_Fray_Contest_Rules.pdf

CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 17 August and 03:00 - 04:00 UTC 18 August

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: Member: Name and member no; non-Member: Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multippliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 20 August 2016

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at:

<http://www.cwops.org/cwt.html>

QRP Fox Hunt

01:00 - 02:30 UTC 19 August

Mode: CW

Bands: 20 m Only

Classes: Single Op - fox or hound

Max power: 5 watts
Exchange: RST, state, province or country, name and power output
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 02:30 UTC 20 August 2016
E-mail logs to: (see rules)
Mail logs to: (none)
Find rules at:
http://www.qrpfoxhunt.org/summer_rules.htm

NCCC RTTY Sprint
01:45 - 02:15 UTC 19 August
Mode: RTTY
Bands: (see rules)
Classes: (none)
Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 21 August 2016
E-mail logs to: (none)
Post log summary at:
<http://www.3830scores.com/>
Mail logs to: (none)
Find rules at:
<http://www.ncccsprint.com/rtty.htm>

NCCC Sprint
02:30 - 03:00 UTC 19 August
Mode: CW
Bands: (see rules)
Classes: (none)
Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 21 August 2016
E-mail logs to: (none)
Post log summary at:
<http://www.3830scores.com/>
Mail logs to: (none)
Find rules at:
<http://www.ncccsprint.com/rules.html>

SARTG WW RTTY Contest
00:00 - 08:00 UTC and 16:00 - 24:00 UTC
20 August and 08:00 - 16:00 UTC 21 August
Mode: RTTY

Bands: 80, 40, 20, 15, 10 m
Classes: Single Op All Band; Single Op All Band Low Power; Single Op Single Band; Multi-Single; SWL
Max power: HP: >100 Watts; LP: 100 Watts
Exchange: RST and serial no
Work stations: Once per band
QSO Points: 5 points per QSO with same country; 10 points per QSO with same continent; 15 points per QSO with different continent
Multipliers: Each DXCC country once per band; Each VK, VE, JA, W call area once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 12 September 2016
E-mail logs to: contest@sartg.com
Upload log at:
http://ua9qcq.com/en/submit_log.php
Mail logs to: SARTG Contest Manager, Ewe Hakansson, SM7BHM, Pilspetsvagen 4, SE-29166, Kristianstad, Sweden
Find rules at:
<http://www.sartg.com/contest/wwwrules.htm>

Russian District Award Contest
08:00 UTC 20 August to 08:00 UTC 21 August
Mode: CW, SSB
Bands: 160, 80, 40, 20, 15, 10 m
Classes: SOAB Mixed Mode - high or low; SOAB Mixed Mode Field; SOAB CW - high or low; SOAB CW Field; SOAB SSB - high or low; SOAB SSB Field; Multi-Single Mixed Mode; Multi-Single Mixed Mode Field; SWL
Exchange: RU: RS(T) and District code; non-RU: RS(T) and QSO no
Work stations: Once per band per mode
QSO Points: RU: 1 point per QSO with same country; RU: 2 points per QSO with same country, different continent; RU: 3 points per QSO with different country, same continent; RU: 5 points per QSO with different country, different continent; RU: 10 points per QSO between Field entrants; non-RU: 10 points per QSO with RU station
Multipliers: RU Stations: Each DXCC country once per band and each RDA district once

only; non-RU Stations: Each RDA district once only
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 31 August 2016
E-mail logs to: rx3rc@rdaward.org
Upload log at:
http://ua9qcq.com/en/submit_log.php
Mail logs to: (none)
Find rules at: <http://rdaward.org/rdac1.htm>

Himalayan Contest

12:00 UTC 20 August to 12:00 UTC 21 August
Mode: CW, SSB
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op - QRP, low or high; Multi-Single; Multi-Multi
Max power: HP: >100 W; LP: 100 W; QRP: 10 W
Exchange: VU: RS(T) and VU State; non-VU: RS(T) and serial no
Work stations: Once per band per mode
QSO Points: (see rules)
Multipliers: Total of any Asian station worked once on each band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: September 20, 2016
E-mail logs to: logs@arsi.info
Mail logs to: Himalayan Contest, Prasad Rajagopal, PO Box 7523, Bangalore 560075, India
Find rules at:
<http://arsi.info/contests/himalayan/rules>

North American SSB QSO Party

18:00 UTC 20 August to 05:59 UTC 21 August
Mode: SSB
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op - QRP or low; Multi-Two (Low)
Max operating hours: Single Op: 10 hours; Multi-Two: 12 hours
Max power: LP: 100 watts; QRP: 5 watts
Exchange: NA: Name and state, province or country; non-NA: Name
Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 05:59 UTC 28 August 2016

E-mail logs to: (none)

Upload log at:

<http://www.ncjweb.com/nagplogssubmit/>

Mail logs to: Bill Lippert, ACOW, 2013 6th Avenue SE, Austin, MN 55912-4321, USA

Find rules at:

<http://www.ncjweb.com/NAQP-Rules.pdf>

Feld Hell Sprint

20:00 - 21:59 UTC 20 August

Mode: Feld Hell

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Max power: Standard: 100 watts; QRP: 5 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: (see rules)

Bonus Points: (see rules)

Multipliers: (see rules)

Score Calculation: (see rules)

Submit logs by: 24 August 2016

Upload log at:

<https://sites.google.com/site/feldhellclub/>

Mail logs to: (none)

Find rules at:

<https://sites.google.com/site/feldhellclub/Home/contests/sprints/gridlocsprint>

CVA CW DX Contest

21:00 UTC 20 August to 21:00 UTC 21 August

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high; Single Op Single Band - low or high; Multi-Single - low or high; Multi-Two; Headquarters; Teen Single Op; YL Single Op

Max power: HP: >100 watts; LP: 100 watts;
QRP: 5 watts
Exchange: RST and type/UF (see rules)
Work stations: Once per band
QSO Points: (see rules)
Multipliers: Each UF once per band; Each country once only
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 15 September 2016
E-mail logs to: cw@craec.org
Mail logs to: (none)
Find rules at: <http://www.craec.org>

SARL HF Digital Contest
13:00 - 16:30 UTC 21 August
Mode: RTTY, PSK31
Bands: 80, 40, 20 m
Classes: Single Op All Band; Single Op Single Band; Multi-Op All Band; Multi-Op Single Band
Exchange: RST and serial no
Score Calculation: (see rules)
Submit logs by: 28 August 2016
E-mail logs to: zs4bfn@mweb.co.za
Mail logs to: (none)
Find rules at:
<http://www.sarl.org.za/Web3/Members/DoDownload.aspx?X=20151130131559djqp8afPgb.PDF>

ARRL Rookie RTTY Roundup
18:00 UTC-23:59 UTC 21 August
Mode: RTTY
Bands: 80, 40, 20, 15, 10, 6 m
Classes: Single Op Rookie; Multi-Op Rookie; Non-Rookies
Max power: 100 watts
Exchange: NA: Name, 2-digit year first licensed and state, province, XE area or DX

Next Week's Contests

SKCC Sprint, 00:00 - 02:00 UTC 24 August
Phone Fray, 02:30 - 03:00 UTC 24 August
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 24 August and 03:00 - 04:00 UTC 25 August
RSGB 80 m Club Sprint, SSB 19:00 - 20:00 UTC 25 August

Work stations: Once per band
QSO Points: 1 point per QSO with non-rookie; 2 points per QSO with rookie
Multipliers: Each US state and DC once; Each VE province once; Each XE call area once; One DX once
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 23:59 UTC 24 August 2016
E-mail logs to: (none)
Post log summary at:
http://www.b4h.net/arrlrr/rr_scoresubmission.php
Mail logs to: (none)
Find rules at: <http://www.arrl.org/rookie-roundup>

Run for the Bacon QRP Contest
01:00 UTC-03:00 UTC 22 August
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Band; All Band
Max power: 5 watts
Exchange: RST, state, province or country and member no or power
Work stations: Once per band
QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent
Multipliers: Each state, province or country once; Multiply mults by 2 if >50 members worked
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 28 August 2016
E-mail logs to: (none)
Upload log at:
<http://qrptest.com/pigrun/autolog.php>
Mail logs to: (none)
Find rules at: <http://qrptest.com/pigrun/>

QRP Fox Hunt, 01:00 - 02:30 UTC 26 August
NCCC RTTY Sprint, 01:45 - 02:15 UTC 26 August
NCCC Sprint, 02:30 - 03:00 UTC 26 August
Hawaii QSO Party, 04:00 UTC 27 August to 04:00 UTC 29 August
ALARA Contest, 06:00 UTC 27 August to 05:59 UTC 28 August
Keyman's Club of Japan Contest, 12:00 UTC 27 August to 12:00 UTC 28 August
SCC RTTY Championship, 12:00 UTC 27 August to 1159Z 28 August
W/VE Islands QSO Party, 12:00 UTC 27 August to 03:00 UTC 28 August
YO DX HF Contest, 12:00 UTC 27 August to 12:00 UTC 28 August
Kansas QSO Party, 14:00 UTC 27 August to 02:00 UTC 28 August and 14:00 - 20:00 UTC 28 August
Ohio QSO Party, 16:00 UTC 27 August to 04:00 UTC 28 August
CVA SSB DX Contest, 21:00 UTC 27 August to 21:00 UTC 28 August
SARL HF CW Contest, 13:00 UTC - 16:30 UTC 28 August

The Pretoria Amateur Radio Club's flea market will be on Saturday 27 August at the premises of the Pretoria Old Motor Club in Davey Street, Silverton, Pretoria. Start time is 8:00. The usual Boerewors rolls, coffee and cold drinks will be available. To book a table, please contact Almero du Pisani, ZS6LDP, on 083 938 8955 or send e-mail to almero@up.ac.za. Do not miss this enjoyable event.

VHF Happenings

VHF DX can be worked during poor HF conditions

There are many countries across our northern border that includes Namibia, Botswana, Angola, Zimbabwe, Zambia and Mozambique. Several of these countries are already on VHF and what is needed is to encourage VHF activity in as many sub-Saharan countries as possible. Our long coastline covers many islands such as Madagascar, Reunion, Marion, Tristan da Cunha, Ascension and St Helena. Reunion Island has been worked many times on both 144 and 432 MHz, up to a maximum distance of around 3 240 km on 144 MHz SSB and digital. Division 2 and 5 stations made contact with Marion Island on 50 MHz CW, SSB and FM over a maximum distance around 1 880 km.

The distance between Cape Town and Luderitz is about 845 km and has been worked on both 144 and 432 MHz SSB. Cape Town is about 3 000 km from St Helena Island and it should be an easy target on 144 MHz SSB or FM. The challenges are there it only requires serious amateurs to accept it and advance amateur radio, but you will need a horizontal Yagi and about 100 Watts to do it.

Then there is the TEP season that stretches from September to November and again from February to April, which enables Divisions 3, 4, 5 and 6 to often work DX around the Mediterranean on 50, 70 and 144 MHz.

This Week's Contests

ARRL 10 GHz and Up Contest
06:00 local 20 August to 24:00 local 21 August
Mode: Any
Bands: 10 GHz to light

Classes: 10 GHz Only; 10 GHz and Up

Max operating hours: 24 hours

Exchange: 6-Character Maidenhead Locator

Work stations: Once per location (see rules)

QSO Points: 100 points per QSO with unique call sign per band; 1 point per km distance per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 18 October 2016

E-mail logs to: 10GHZ@arrl.org

Mail logs to: 10 GHz Contest, ARRL Contest Branch, 225 Main St., Newington, CT 06111, USA

Find rules at: <http://www.arrl.org/10-ghz-up>

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter